This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images, please do not report the images to the Image Problem Mailbox.

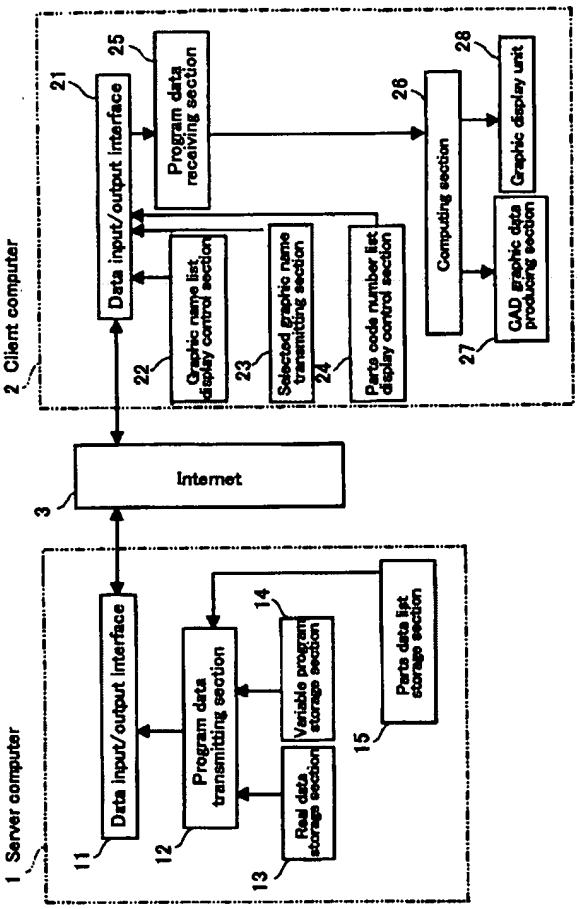

1 Server computer
11
Data input/output interface
12
Program data transmitting section
13
Real data storage section
14
Variable program storage section
15
Parts data list storage section
3
Internet
2 Client computer
21
Data input/output interface
22
Graphic name list display control section
23
Selected graphic name transmitting section
24
Parts code number list display control section
25
Program data receiving section
26
Computing section
27
CAD graphic data producing section
28
Graphic display unit

Fig. 1

Fig.2

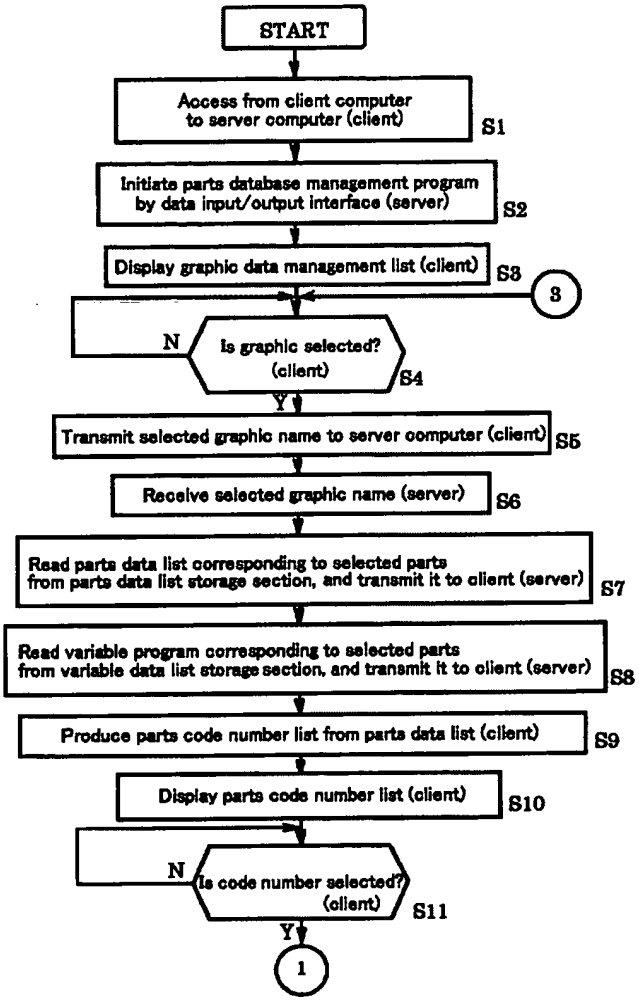

START
Access from client computer to server computer (client)
S1
Initiate parts database management program by data input/output interface (server)
S2
Display graphic data management list (client)
S3
3
N
Is graphic selected? (client)
S4
Y
Transmit selected graphic name to server computer (client)
S5
Receive selected graphic name (server)
S6
Read parts data list corresponding to selected parts from parts data list storage section, and transmit it to client (server)
S7
Read variable program corresponding to selected parts from variable data list storage section, and transmit it to client (server)
S8
Produce parts code number list from parts data list (client)
S9
Display parts code number list (client)
S10
N
Is code number selected? (client)
S11
Y
1

Fig.3

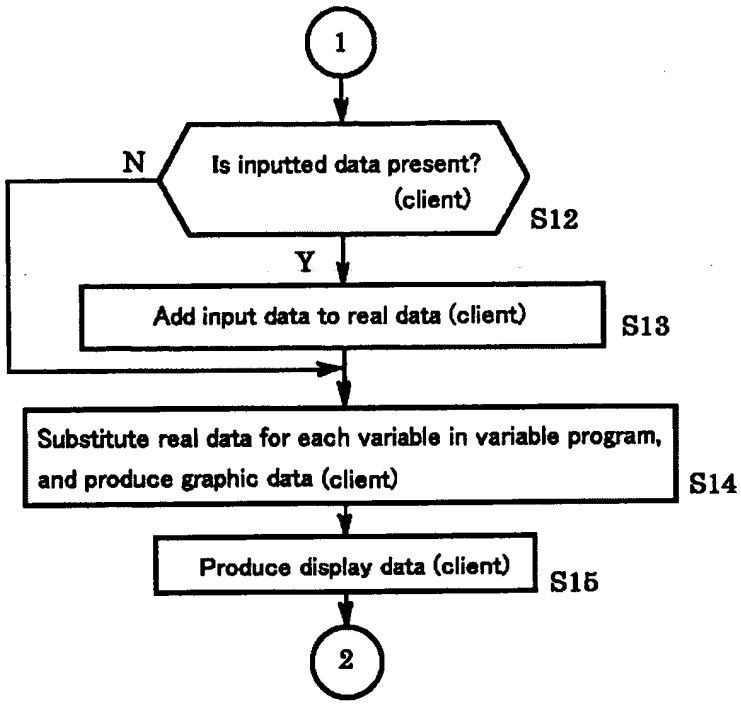

1
N
Is inputted data present? (client)
S12
Y
Add input data to real data (client)
S13
Substitute real data for each variable in variable program, and produce graphic data (client)
S14
Produce display data (client)
S15
2

Fig.4

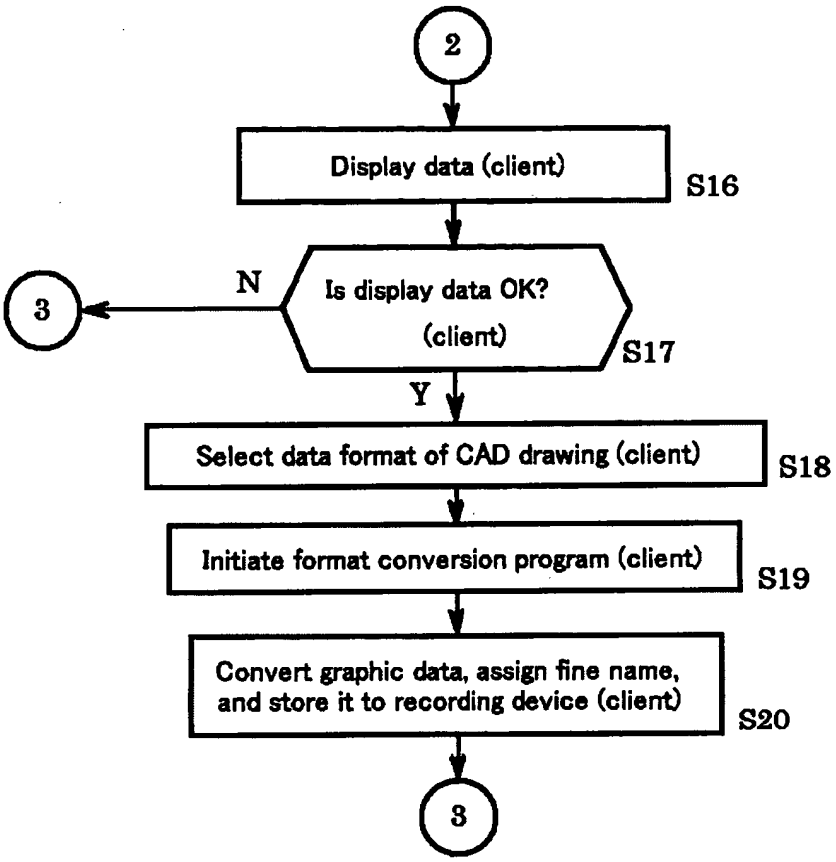
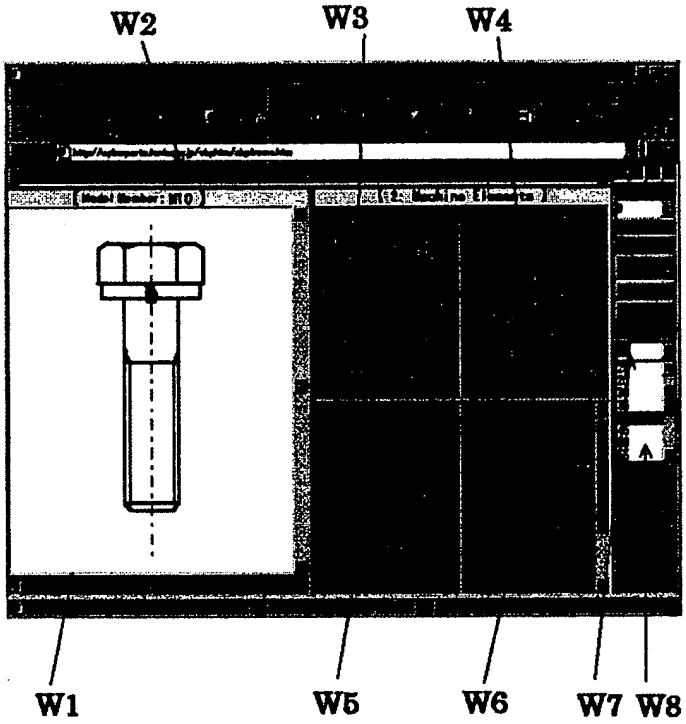

2
Display data (client)
S16
N
3
Is display data OK? (client)
S17
Y
Select data format of CAD drawing (client)
S18
Initiate format conversion program (client)
S19
Convert graphic data, assign fine name, and store it to recording device (client)
S20
3

Fig. 5



BEST AVAILABLE COPY

Fig.6

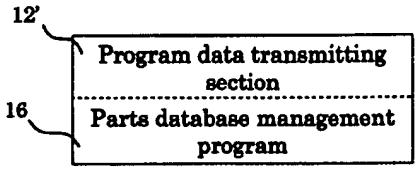

12'
Program data transmitting section
16
Parts database management program

Fig.7

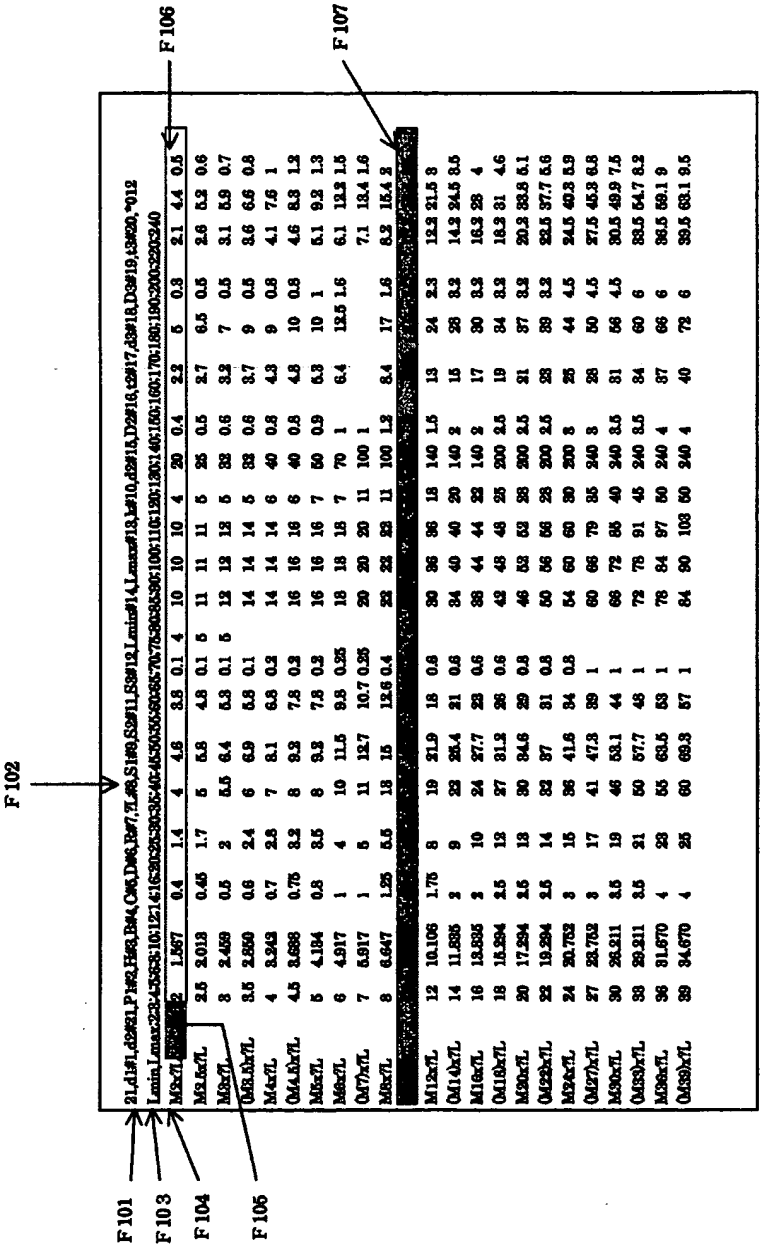
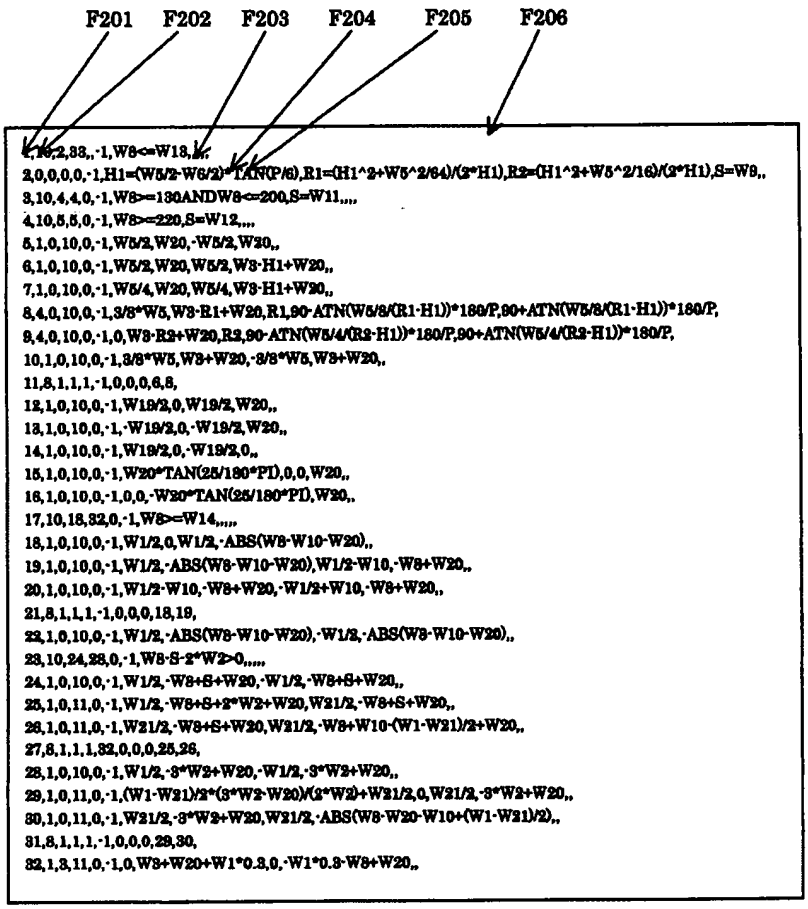


Fig.8


F201
F202
F203
F204
F205
F206
1,10,2,33,,-1,W8<=W13,,,,
2,0,0,0,0,-1,H1=(W5/2-W6/2)*TAN(P/6),R1=(H1^2+W5^2/64)/(2*H1),R2=(H1^2+W5^2/16)/(2*H1),S=W9,,
3,10,4,4,0,-1,W8>=130ANDW8<=200,S=W11,,,,
4,10,5,5,0,-1,W8>=220,S=W12,,,,
5,1,0,10,0,-1,W5/2,W20,-W5/2,W20,,
6,1,0,10,0,-1,W5/2,W20,W5/2,W3-H1+W20,,
7,1,0,10,0,-1,W5/4,W20,W5/4,W3-H1+W20,,
8,4,0,10,0,-1,3/8*W5,W3-R1+W20,R1,90-ATN(W5/8/(R1-H1))*180/P,90+ATN(W5/8/(R1-H1))*180/P,
9,4,0,10,0,-1,0,W3-R2+W20,R2,90-ATN(W5/4/(R2-H1))*180/P,90+ATN(W5/4/(R2-H1))*180/P,
10,1,0,10,0,-1,3/8*W5,W3+W20,-3/8*W5,W3+W20,,
11,8,1,1,1,-1,0,0,0,6,8,
12,1,0,10,0,-1,W19/2,0,W19/2,W20,,
13,1,0,10,0,-1,-W19/2,0,-W19/2,W20,,
14,1,0,10,0,-1,W19/2,0,-W19/2,0,,
15,1,0,10,0,-1,W20*TAN(25/180*PI),0,0,W20,,
16,1,0,10,0,-1,0,0,-W20*TAN(25/180*PI),W20,,
17,10,18,32,0,-1,W8>=W14,,,,,
18,1,0,10,0,-1,W1/2,0,W1/2,-ABS(W8-W10-W20),,
19,1,0,10,0,-1,W1/2,-ABS(W8-W10-W20),W1/2-W10,-W8+W20,,
20,1,0,10,0,-1,W1/2-W10,-W8+W20,-W1/2+W10,-W8+W20,,
21,8,1,1,1,-1,0,0,0,18,19,
22,1,0,10,0,-1,W1/2,-ABS(W8-W10-W20),-W1/2,-ABS(W8-W10-W20),,
23,10,24,28,0,-1,W8-S-2*W2>0,,,,,
24,1,0,10,0,-1,W1/2,-W8+S+W20,-W1/2,-W8+S+W20,,
25,1,0,11,0,-1,W1/2,-W8+S+2*W2+W20,W21/2,-W8+S+W20,,
26,1,0,11,0,-1,W21/2,-W8+S+W20,W21/2,-W8+W10-(W1-W21)/2+W20,,
27,8,1,1,1,32,0,0,0,25,26,
28,1,0,10,0,-1,W1/2,-3*W2+W20,-W1/2,-3*W2+W20,,
29,1,0,11,0,-1,(W1-W21)/2*(3*W2-W20)/(2*W2)+W21/2,0,W21/2,-3*W2+W20,,
30,1,0,11,0,-1,W21/2,-3*W2+W20,W21/2,-ABS(W8-W20-W10+(W1-W21)/2),,
31,8,1,1,1,-1,0,0,0,29,30,
32,1,3,11,0,-1,0,W3+W20+W1*0.3,0,-W1*0.3-W8+W20,,

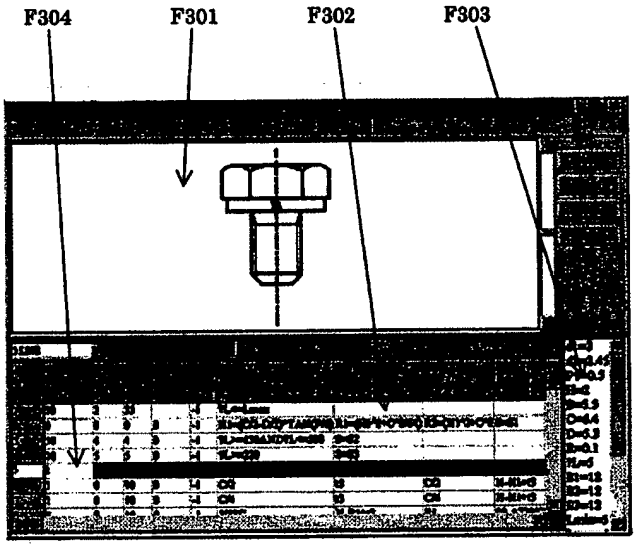



Fig.9